

**IN THE CLAIMS**

1-9 (cancelled)

10. (currently amended). A method of transmitting a plurality of packets of information over a multi-channel medium comprising:

allocating each packet to a channel of the medium;

during a first time period, transmitting each packet on its allocated channel;

re-allocating each packet to a channel of the medium such that the packet is not allocated to a channel it was allocated ~~re-allocated to~~ during the first time period;

during a second time period after the first time period, transmitting each packet on its re-allocated ~~allocated~~ channel;

re-allocating each packet to a channel of the medium such that the packet is not allocated to a channel it was allocated to during the first or second time period;

during a third time period after the second time period, transmitting each packet on its allocated channel;

selecting a number of the channels of the medium; and

repeating the steps of re-allocating and transmitting for additional time periods until every packet has been transmitted at least once on every one of the selected number of channels.

11. (previously presented) The method of claim 10 wherein the step of transmitting during a time period comprises transmitting all of the packets simultaneously.

12. (previously presented) The method of claim 10 wherein the step of transmitting during a time period comprises starting transmission of some packets before other packets.

13. (previously presented) The method of claim 10 wherein at least one of the channels is unable to complete transmission of the packet during the time period.

14. (previously presented) A method of transmitting a plurality of messages over a medium comprising:

associating portions of a first message with selected channels of the medium such that each portion is associated with a different channel;

for each selected channel which is available for transmission and during a first time period, transmitting the first message portions on their associated channels;

associating portions of a second message with the channels of the medium such that each portion is associated with a different channel;

for each selected channel which is available for transmission and during a second time period, transmitting the second message portions on their associated channels;

re-associating the first message portions with selected channels of the medium such that each portion is associated with a channel different from both the other portions

and the channel with which it was associated during the first time period;

for each selected channel which is available for transmission and during a third time period, transmitting the second message portions on their re-associated channels;

re-associating the second message portions with selected channels of the medium such that each portion is associated with a channel different from both the other portions and the channel with which it was associated during the second time period; and

for each selected channel which is available for transmission and during a fourth time period, transmitting the second message portions on their re-associated channels.

15. (original) The method of claim 14 wherein the second time period is after the first time period, the third time period is after the second time period and the fourth time period is after the third time period.

16. (original) The method of claim 14 wherein the messages comprises content.

17. (original) The method of claim 14 wherein the selected channels comprise all of the channels of the medium.

18-28 (cancelled)